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RICHARD BAY COAL TERMINAL has 25-million ton annual coal exporting capacity. South African facility can be expanded to 45-million ton output by mid-1980s.

25-Million Ton Annual Coal Export Capacity:

New South African Rail Line On Stream at $60-Million Cost

By ROBERT E. BEDINGFIELD

JOHANNESBURG

Six years in the building, South Africa's newest railroad line has reached a capacity of hauling 25-million tons of coal for export and the South African Railways and Harbours Administration now is further upgrading the line to handle up to 45-million tons annually by the middle of the decade.

Currently the coal line is operating 92 trains a week, with 84 cars — each car with a gross weight of 74 tons and a payload of 54 tons — moving 312 miles to shipside. The entire line, which starts at Broodsnyersplaas in the Transvaal and extends to the new export port of Richards Bay, is a narrow gauge 3-foot, 6-inches which is "standard" throughout South Africa in contrast to the 4-foot, 8½-inches which is "standard" in the United States and throughout most of Europe.

Construction of the coal line began in 1970, following the conclusion of an agreement for coal deliveries by the Transvaal Coal Owners Association to Japanese steel makers. The first export permits, granted that year envisioned the movement of 12 million tons of coal in nine years. That could have been accommodated on the South African Railways' historic main line through Natal Province, which ends at Durban.

But as demand for coal multiplied, it was obvious the port of Durban could not handle the movement. So the building of a new port at Richards Bay — at a cost of 43-million rand, $60-million U.S. — was decided upon, with the coal owners putting up the

(Continued on Page 15)

Rhodes Seeks $32-Billion in Tax Program For Coal Use

By MIKE MYER

WASHINGTON

A $32-billion program to convert American industry to coal is needed but tax dollars, not private capital, must be used for the conversion, Ohio Governor James Rhodes of Ohio told the Republican National Committee.

Such a program should be part of the GOP's platform for the 1980 presidential election, Rhodes said.

Rhodes, speaking to the committee during its winter meeting here, also called for changes in federal regulations which hold back increased coal use.

Conversion of industry from use of oil to coal would be expensive at first but much more economical than continued dependence on oil, Rhodes said.

At current prices, "the consumers of America will save $35.5 billion a year in energy costs by making these conversions, since coal is much cheaper than oil," Rhodes told the committee.

"Our nation must begin immediately a massive conversion to coal of major industries, utilities and commercial boilers, complete with the necessary environmental controls to guarantee public health," Rhodes said.

The program "must be funded 100 percent by the federal government or by tax credits, if it is to work," the governor added.

Because many companies switched from use of coal to burning oil due to government pressure in recent years, private industry cannot afford by itself to fund a re-conversion, Rhodes said.

Despite President Carter's proposals for greater use of coal, federal officials have not done enough to support increased coal use and in many cases have prevented it, the committee was told.

"Washington can no longer advocate more production on one hand and sabotage that production with red

(Continued on Page 17)

First-of-a-Kind:

Underground Gasification Test Complete

PITTSBURGH — Gulf Oil Corporation has successfully completed a 40-day test burn in the first underground coal gasification (UCG) experiment involving steeply-dipping coal seams in the United States.

Sponsored by the Department of Energy, the $13.5 million project is designed to demonstrate the potential of commercial recovery of hard-to-reach coal reserves.

"UCG offers economic, environmental and safety advantages over conventional mining operations, particularly in deep coal seams," according to Burl Davis, technical director of the project.

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Indiana Independent Signs $250-Million Utility Pact

EVANSVILLE, Ind.

The largest independent coal supplier in Indiana has signed a 10-year, $250-million contract with Indianapolis Power and Light Co. to meet the utility's increasing coal needs.

Steven E. Chancellor, executive vice president of Black Beauty Coal Co., said the agreement contains a provision that could extend the relationship to 20 years and bring the contract to a total of approximately one-half billion dollars.

This contract is one of several that have been signed by Black Beauty Coal Co. in recent months with other utility companies. Black Beauty officials expect to sign still another contract next month at over $100 million, Chancellor said.

Begun in 1975, the Evansville-based coal company has enjoyed tremendous growth, increasing yearly production from just over 20,000 tons in 1975 to millions of tons today.

A major factor in the company's unusual high rate of growth, Chancellor said, is the fact that Black Beauty

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ORANGE & ROCKLAND UTILITIES, mired in red tape, tries to convert two units to coal. (Page 2)

'MR. LABOR' — A tribute to George Meany by Managing Editor Bill D. Ross. (Page 2)

NASA AND CLEVELAND ELECTRIC join forces in coal gasification study. (Page 17)

CONOCO TO SPEND $220-million on coal this year. (Page 10)

CUMBRES & TOLTEC RAILROAD, still burning coal, gets ready for centennial in New Mexico. (Page 24)

FACTS & FIGURES | EXPORTS

	Physical Value			Dollar Value		Prices—Avg. Value per Short Ton			
	Nov. 1979	Oct. 1979	Nov. 1978	Nov. 1979	Oct. 1979	Nov. 1979	Nov. 1979	Oct. 1979	Nov. 1978
Asia, Africa, Oceania									
Algeria	—	—	—	—	—	—	—	—	—
China, P. (Mainland)	—	—	26,519	—	—	1,646,100	—	—	62.07
China, T. (Taiwan)	—	116,895	29,943	—	6,237,257	1,904,263	—	53.36	63.60
Egypt	—	70,316	27,600	—	3,320,024	1,309,620	—	47.22	47.45
Japan	937,753	1,699,940	1,360,566	55,501,750	100,131,608	79,386,081	59.19	59.25	58.35
Korea, Rep. (South)	184,845	11,276	55,432	10,028,944	542,148	2,603,438	54.26	48.08	46.97
Turkey	141,342	106,179	82,452	6,618,836	5,301,691	3,129,100	46.83	49.93	50.10
Other nations	—	7	—	—	1,629	—	—	232.71	—
Total, Asia, etc.	1,263,940	1,994,613	1,562,512	72,149,530	115,534,357	89,978,602	57.08	57.92	57.59
Europe									
Albania	48,300	—	21,118	2,346,468	—	1,574,940	48.58	—	74.58
Belgium	493,873	558,192	198,178	24,347,042	25,233,327	9,484,673	49.30	45.21	47.86
Denmark	—	38,065	—	—	1,628,302	—	—	42.78	—
France	385,831	429,818	222,950	19,907,347	22,943,844	12,823,282	54.42	53.38	57.52
Germany, F.R. (West)	356,802	221,511	53,307	16,707,704	11,549,936	2,884,317	46.83	52.14	54.11
Ireland	57,012	32,267	—	3,197,249	1,651,034	—	56.08	51.17	—
Italy	266,460	417,099	605,664	14,077,853	21,214,038	31,289,092	52.83	50.86	51.66
Netherlands	111,669	250,464	227,116	5,767,632	12,769,816	11,767,106	51.65	50.98	51.81
Norway	83,525	5,622	31,577	3,996,613	275,374	1,422,710	47.85	49.00	46.64
Portugal	6,063	44,894	—	439,542	2,505,374	—	72.50	55.81	—
Romania	49,488	—	67,823	2,446,770	—	3,168,347	49.44	—	46.71
Spain	88,589	28,666	212,396	4,438,366	1,546,057	10,906,963	50.10	53.93	51.35
Sweden	100,499	136,312	—	5,577,407	7,180,695	—	55.50	52.68	—
United Kingdom	257,176	218,327	112,218	11,931,312	10,353,713	6,208,778	46.39	47.42	55.33
Yugoslavia	43,428	128,059	50,503	1,982,021	6,039,033	2,733,523	45.64	47.16	54.13
Other nations	—	—	—	—	—	—	—	—	—
Total, Europe	2,328,717	2,509,293	1,802,840	117,163,326	124,890,637	94,313,731	50.31	49.77	52.31
Western Hemisphere									
Argentina	51,133	85,051	119,958	2,439,032	4,280,262	5,808,045	47.70	50.33	48.42
Barbados	—	—	—	—	—	—	—	—	—
Brazil	239,207	263,683	170,782	13,251,147	15,126,811	9,552,599	55.40	57.37	55.93
Canada	581,253	757,586	991,348	33,644,194	43,129,150	56,201,816	57.88	56.93	56.69
Chile	—	—	47,562	—	—	2,615,930	—	—	55.00
Honduras	—	—	21	—	—	4,990	—	—	237.62
Leewd&Windwd Is.	—	—	65	—	—	15,906	—	—	244.71
Mexico	58,455	93,557	19,930	2,883,700	4,544,299	935,811	49.33	48.57	46.95
Peru	—	—	28,288	—	—	855,458	—	—	30.24
Other nations	—	22	—	—	2,908	—	—	132.18	—
Total, West. Hemis	930,048	1,199,899	1,377,954	52,218,073	67,063,430	75,990,555	56.15	55.91	55.15
Total, all nations	4,522,705	5,703,805	4,743,306	241,530,929	307,508,424	260,282,888	53.40	53.91	54.87
Bituminous coal, other									
Asia, Africa, Oceania									
Egypt	—	43,150	—	—	1,937,596	—	—	44.90	—
Ethiopia	—	—	57	—	—	2,280	—	—	40.00
Japan	—	80,428	—	—	3,973,307	—	—	49.40	—
South Africa	—	116	—	—	5,600	—	—	48.28	—
Other nations	—	—	—	—	—	—	—	—	—
Total	—	123,694	57	—	5,915,503	2,280	—	47.83	40.00
Europe									
Belgium	12,315	18,267	—	354,621	2,072,402	—	28.80	30.36	—
Netherlands	55,084	—	—	2,148,802	—	—	39.01	—	—
France	62,476	—	26	1,946,792	—	1,320	31.16	—	50.76
Germany, F.R. (West)	66,972	168,411	—	3,007,430	8,014,767	—	44.91	47.59	—
Ireland	25,587	44,453	—	1,240,011	2,173,021	—	48.46	48.88	—
United Kingdom	—	21,351	—	—	1,056,845	—	—	49.50	—
Other nations	—	—	—	—	—	—	—	—	—
Total, Europe	222,434	302,482	26	8,697,656	13,317,035	1,320	39.10	44.03	50.76
Western Hemisphere									
Canada	1,251,042	1,153,855	1,184,155	48,914,000	44,755,680	44,377,845	39.10	38.79	37.48
Chile	17,836	—	—	498,346	—	—	27.94	—	—
Peru	—	27,483	—	—	831,113	—	—	30.24	—
Mexico	3,083	3,439	2,378	146,772	187,623	104,695	47.61	54.56	44.03
Other nations	—	304	—	—	13,162	—	—	43.30	—
Total, West Hemis	1,271,961	1,185,081	1,186,533	49,559,118	45,787,578	44,482,540	38.96	38.64	37.49
Total, all nations	1,494,395	1,611,257	1,186,616	58,256,774	65,021,116	44,486,140	38.98	40.35	37.49
Lignite									
Asia, Africa, Oceania									
Algeria	—	—	—	—	—	—	—	—	—
Australia	5	—	—	1,897	—	—	379.40	—	—
Libya	20	—	—	10,632	—	—	531.60	—	—
Congo Brazziville	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Israel	45	—	—	2,558	—	—	56.84	—	—
Japan	—	219	19	—	24,244	2,117	—	110.70	111.42
New Zealand	—	12	—	—	5,562	—	—	463.50	—
Nigeria	—	210	—	—	128,000	—	—	609.52	—
Singapore	—	70	—	—	7,798	—	—	111.40	—
Other nations	—	—	—	—	—	—	—	—	—
Total, Asia etc	70	511	19	15,087	165,604	2,117	215.53	324.08	111.42
Europe									
Denmark	—	—	15	—	—	4,908	—	—	327.20
France	—	—	—	—	—	—	—	—	—
Germany, F.R.	—	—	—	—	—	—	—	—	—
Italy	—	—	44	—	—	24,939	—	—	566.80
Norway	—	—	24	—	—	14,170	—	—	590.42
United Kingdom	—	13	—	—	7,645	—	—	588.08	—
Other nations	5	—	—	2,658	—	—	531.60	—	—
Total, Europe	5	13	83	2,658	7,645	44,017	531.60	588.08	530.33
Western Hemisphere									
Argentina	—	—	141	—	—	59,454	—	—	421.66
Brazil	—	25	11	—	18,110	7,700	—	724.40	700.00
Canada	1,060	225	132	73,016	32,249	7,541	66.88	143.33	57.13
Colombia	12	7	42	10,060	3,026	11,779	838.33	432.29	280.45
Mexico	1,593	385	220	108,254	23,681	10,228	67.96	61.51	46.49
Nicaragua	—	—	—	—	—	—	—	—	—
Trinidad	—	15	15	—	8,400	5,940	—	560.00	396.00
Venezuela	—	150	249	—	18,709	31,650	—	124.73	127.11
Other nations	—	12	—	191,330	109,868	134,292	71.79	134.17	165.79
Total, all nations	2,740	1,343	912	209,075	283,137	180,426	76.30	210.82	197.84
Coal coke, for use as fuel									
Asia, Africa, Oceania									
Other nations	—	—	—	—	1,000	—	—	—	—
Total, Asia etc	—	—	—	—	1,000	—	—	—	—
Europe									
Belgium	24,762	—	—	937,888	—	—	37.88	—	—
Germany, F.R. (West)	—	16,310	—	—	1,223,250	—	—	75.00	—
Netherlands	18,000	12,333	26,617	624,000	308,327	977,945	39.00	25.00	36.74
Spain	31,332	—	—	1,347,276	—	—	43.00	—	—
Total, Europe	72,094	28,643	26,617	2,909,164	1,531,577	977,945	40.35	53.47	36.74

	Physical Value			Dollar Value		Prices—Avg. Value per Short Ton			
Western Hemisphere									
Canada	94,320	109,289	46,733	5,152,121	5,236,240	3,950,011	54.82	47.91	84.52
Dom. Republic	21	45	—	6,000	8,325	—	285.71	185.00	—
Guatemala	591	496	168	102,664	73,626	23,634	173.71	148.44	141.87
Jamaica	35	—	—	12,928	—	—	369.37	—	—
Mexico	6,358	6,611	8,469	832,237	827,055	1,132,185	130.90	125.10	133.69
Panama	—	—	23	—	—	4,013	—	—	174.48
Venezuela	—	15,480	—	—	1,161,050	—	—	75.00	—
Other nations	5	—	—	1,246	—	—	249.20	—	—
Total West Hemis	101,330	131,921	55,393	6,107,196	7,306,296	5,110,043	60.27	55.38	92.25
Total, all nations	173,424	160,564	82,010	9,016,360	8,838,873	6,087,988	51.99	55.05	74.23
Petroleum coke, except calcined									
Asia, Africa, Oceania									
Australia	—	—	354	—	—	18,014	—	—	50.89
China, T. (Taiwan)	—	5,671	—	—	226,286	—	—	39.90	—
Japan	246,878	44,762	135,731	7,584,081	1,536,220	3,896,023	30.72	34.32	28.70
Korea, Rep. (South)	—	34,737	1,500	—	1,383,585	34,020	—	39.83	22.68
South Africa	—	—	—	—	—	—	—	—	—
Other nations	—	—	—	—	—	—	—	—	—
Total, Asia etc	246,878	85,170	137,585	7,584,081	3,146,091	3,948,057	30.72	36.94	28.70
Europe									
Belgium	114,761	99,954	51,632	2,914,027	2,411,596	1,639,394	25.39	24.13	31.75
France	34,850	118,094	—	1,106,516	3,862,979	—	31.75	32.71	—
Germany, F.R. (West)	31,724	27,016	—	833,178	675,406	—	26.26	25.00	—
Italy	32,491	—	35,724	1,110,207	—	900,864	34.17	—	25.22
Netherlands	73,584	185,252	70,264	2,336,330	5,124,711	2,056,172	31.75	27.66	29.26
Spain	—	59,086	—	—	1,554,562	—	—	26.31	—
Other nations	—	—	—	—	—	—	—	—	—
Total, Europe	287,410	489,402	157,620	8,300,258	13,629,254	4,596,430	28.88	25.85	29.16
Western Hemisphere									
Brazil	—	—	—	—	—	—	—	—	—
Canada	127,428	119,754	99,789	3,362,447	3,238,252	2,570,496	26.39	27.04	25.76
Mexico	1,089	7,975	3,974	152,991	426,868	172,788	140.49	53.53	43.48
Venezuela	22	—	—	2,464	—	—	112.00	—	—
Other nations	—	—	—	—	—	—	—	—	—
Total, West Hemis	128,539	127,729	103,743	3,517,902	3,665,120	2,743,284	27.37	28.69	26.44
Total, all nations	662,827	702,301	398,948	19,402,241	20,440,465	11,287,771	29.27	29.10	28.29
Compositions used for fuel									
Western Hemisphere									
Bahamas	—	5	7	—	1,200	1,840	—	240.00	262.86
Bermuda	—	—	—	—	—	—	—	—	—
Canada	355	536	2,565	48,799	77,163	336,205	137.46	143.96	131.07
Mexico	275	66	67	56,359	8,868	17,724	204.94	134.36	264.54
Netherlands Ant	—	—	14	—	—	3,555	—	—	253.93
Other nations	—	6	—	—	1,060	—	—	176.67	—
Total, West Hemis	630	613	2,653	105,158	88,291	359,324	166.92	144.03	135.44
Other regions	—	—	—	—	—	—	—	—	—
Total, all nations	630	613	2,653	105,158	88,291	359,324	166.92	144.03	135.44
Anthracite									
Asia, Africa, Oceania									
Australia	27	318	—	6,014	87,836	—	222.74	276.21	—
Japan	3,743	—	4,314	258,533	—	336,565	69.07	—	78.02
Korea, Rep. (South)	26,885	56,704	83,252	779,261	1,714,003	3,163,667	28.98	30.23	38.00
Philippine Rep	62	100	—	3,400	12,000	—	54.84	120.00	—
Other nations	—	—	—	—	—	—	—	—	—
Total, Asia etc	30,717	57,122	87,565	1,047,208	1,813,839	3,500,232	34.09	31.75	39.97
Europe									
France	15,899	36,805	20	1,168,305	1,728,621	1,900	73.48	50.93	95.00
Germany, F.R. (West)	—	—	55	—	—	5,600	—	—	101.82
Italy	71	—	—	3,905	—	—	55.00	—	—
Netherlands	25,055	—	—	1,449,800	—	—	57.86	—	—
Sweden	—	—	20	—	—	1,921	—	—	96.05
United Kingdom	10,115	24,206	18	646,771	1,583,551	1,740	63.94	65.42	96.67
Other nations	—	25	—	—	2,127	—	—	85.08	—
Total, Europe	51,140	61,036	113	3,268,781	3,460,199	11,161	63.92	56.69	98.77
Western Hemisphere									
Canada	69,871	10,357	11,057	4,434,208	636,399	603,829	63.46	61.45	54.61
Colombia	—	—	22	—	—	3,121	—	—	141.86
Ecuador	39	—	26	7,065	—	1,412	181.15	—	54.31
Mexico	1,188	2,132	730	102,693	184,855	45,705	86.44	86.70	62.61
Venezuela	—	674	—	—	132,314	—	—	196.31	—
Other nations	—	20	—	—	2,199	—	—	109.95	—
Total, West Hemis	71,098	13,183	11,835	4,543,966	955,767	654,067	63.91	72.50	55.27
Total, all nations	152,955	131,341	99,514	8,859,955	6,229,805	4,165,460	57.93	47.43	41.66

COAL IMPORTS

	Nov. 1979	Oct. 1979	Nov. 1978	Nov. 1979	Oct. 1979	Nov. 1978	Nov. 1979	Oct. 1979	Nov. 1978
Bituminous Coal									
Australia	—	—	—	—	—	—	—	—	—
Canada	1,236	6,260	3,326	28,840	127,817	57,365	23.33	20.42	17.25
Poland	31,305	—	—	973,595	—	—	—	—	—
South Africa	58,034	26,300	57,921	1,168,800	526,000	1,145,094	20.14	20.00	19.77
Other nations	—	55	—	—	1,953	—	—	—	—
Total, Bitu Coal	90,625	32,615	61,247	2,171,235	655,770	1,202,459	23.96	20.11	19.63
Coke suitable for fuel									
Asia, Africa, Oceania									
Japan	83,018	96,664	44,808	6,562,376	7,961,725	3,402,738	79.05	82.36	75.94
Other nations	—	5,511	—	—	663,850	—	—	120.46	—
Total, Asia etc	83,018	102,175	44,808	6,562,376	8,625,575	3,402,738	79.05	84.42	75.94
Europe									
Belgium	—	18,165	19,931	—	1,685,018	3,132,182	—	92.76	157.15
France	—	15,859	—	—	1,505,896	—	—	94.96	—
Germany F.R. (West)	76,403	123,293	388,147	7,393,737	11,184,210	31,819,836	96.77	90.71	81.96
Italy	—	—	36,771	—	—	3,135,502	—	—	85.27
Norway	—	20	—	—	1,478	—	—	73.90	—
United Kingdom	—	26,163	17,116	—	2,511,176	1,098,175	—	95.96	64.16
Other nations	—	—	—	—	—	—	—	—	—
Total, Europe	76,403	183,500	481,965	7,393,737	16,887,778	39,185,695	96.77	92.03	84.82
Western Hemisphere									
Argentina	—	—	48,115	—	—	1,360,858	—	—	28.28
Canada	10,324	14,278	11,477	786,956	934,607	794,406	76.23	65.46	69.22
Other nations	—	—	—	—	—	—	—	—	—
Total, West Hemis	10,324	14,278	59,592	786,956	934,607	2,155,064	76.23	65.46	36.16
Total, all nations	169,745	299,953	586,365	14,743,069	28,447,960	44,743,497	86.85	88.17	79.00
Compositions for fuel									
Canada	1,240	1,033	2,107	37,595	31,174	58,730	30.32	30.18	27.87
Japan	—	—	—	—	—	824	—	—	—
Mexico	—	—	13	—	—	1,000	—	—	76.92
Other nations	—	—	—	—	—	—	—	—	—
Total, Comp.	1,240	1,033	2,120	37,595	31,174	60,554	30.32	30.18	28.56

DOMESTIC FACTS & FIGURES

PRODUCTION	Jan.12'80	Jan.5'79	Jan.13'79
Bituminous	15,120	12,635	12,822
Anthracite	90	85	120
RRcarloadings, Bitum	103,418	87,807	81,201
RRcarloadings, Anthra	417	382	1,329

Production in tons (000), week ended Dec. 22.
Carloadings in R.R. cars, week ended Dec. 22.
Source: U.S. Dept. of Energy, Energy Information Administration - Weekly Coal Report. Association of American Railroads, Car Service Division - Statemetn CS-54A.

By States (Bituminous and Lignite)

Eastern	Dec.22'79	Dec.15'79	Dec.23'78
Alabama	458	473	475
Georgia	18	10	15
Illinois	1,121	1,145	1,081
Indiana	474	487	505
Kentucky:			
Eastern	2,148	2,193	1,722
Western	947	966	1,025
Total Ky.	3,095	3,159	2,747
Maryland	48	50	104
Ohio	836	850	1,035
Pennsylvania	1,737	1,775	1,817
Tennessee	284	296	223
Virginia	979	999	900
West Virginia	2,226	2,266	2,020
Total, Eastern	11,274	11,510	10,922
Western			
Alaska	16	15	15
Arizona	221	225	253
Arkansas	15	11	14
Colorado	363	367	297
Iowa	15	13	14
Kansas	16	18	11
Missouri	111	105	130
Montana	837	854	654
New Mexico	221	225	297
North Dakota	300	305	293
Oklahoma	110	105	124
Texas	444	450	390
Utah	237	237	208
Washington	94	95	110
Wyoming	1,516	1,545	1,228
Total, Western	4,516	4,570	4,038
Total, United States	15,790	16,080	14,960

In short tons (000), week ended Oct. 13.
Source: Dept. of Energy, Energy Information Admin.: Weekly Coal Report

Work Force	Oct.79	Sept.79	Oct.78
All employees	260.3	261.1	253.2
Coal mining	257.3	258.0	250.2
Bituminous & lignite			
Production employees	216.7	218.8	211.9
Coal mining	214.0	216.1	209.3
Bituminous & lignite			
Workers in (000), Preliminary			
Weekly Ave—Hrs.			
Coal mining	41.2	40.8	40.4
Bituminous & lignite	41.2	40.8	40.4
preliminary			

Earnings, hourly avg in $	Latest	Previous	Yr. Ago
Coal mining	10.28	10.33	9.82
Bituminous & lignite	10.31	10.35	9.85
Earnings, weekly average			
Coal mining	423.54	421.46	396.73
Bituminous & lignite	424.77	422.28	397.94

Note: Oct. 1979 data is preliminary.
Source: Dept. of Labor, Bureau of Labor Statistics - Employment and Earnings

TRANSPORTATION: RAILROAD

	Week ended		
Eastern district	Jan.5'80	Dec.29'79	Jan.6'79
Bessemer and Lake Erie	739	590	573
Baltimore and Ohio	3,198	2,799	3,735
Chesapeake and Ohio	9,526	7,515	8,318
Consolidated Rail Corp.	6,994	5,051	6,434
Illinois Terminal	—	—	—
Norfolk and Western	14,441	8,725	12,555
Pittsburgh & Lake Erie	285	236	282
Western Maryland	1,252	772	620
Other, eastern district	2	9	10
Total, eastern district	36,417	25,697	32,627
Southern district			
Clinchfield Railroad	1,426	1,327	1,080
Illinois Central Gulf	3,029	2,117	2,515
Louisville & Nashville	10,144	9,732	11,583
Southern Railway	5,046	5,353	4,495
Other, southern district	—	—	—
Total, southern dist.	19,645	18,529	19,673
Western district			
Atchison, Topeka & Santa Fe	802	564	690
Burlington Northern	19,641	18,106	8,446
Chicago & North Western	442	386	357
Denver & Rio Grande Wstrn	2,934	2,383	2,479
Kansas City Southern	82	99	54
Chicago, Milwaukee, St. Paul & Pac.	1,060	993	1,070
Missouri-Kansas-Texas	29	46	143
Missouri Pacific	2,872	2,531	1,464
Chicago, Rock Is. & Pacific	112	106	87
St. Louis-San Francisco	678	473	510
Soo Line	118	170	96
Union Pacific	2,973	3,704	1,979
Other, western district	2	—	76
Total Western district	31,745	29,563	17,451
Total, all districts	87,807	73,789	69,751

Railroad revenue freight loaded,
Source: Assoc. of Amer. Railroads, Car Service Division - Statement CS-54A.

	Week ended		
Inland Rivers	Jan.12'80	Jan.5'80	Jan.13'79
Monongahela River, Lock 3	279,408	302,860	352,774
Allegheny River, Lock 2	52,500	43,900	25,200
Ohio River, Mntgmry Lock	212,100	281,900	140,900

In short tons through locks, week ended Sept. 15, 1979
Source: U.S. Army, Corps of Engineers, Pittsburgh District

CONSUMPTION	Sept.79	Aug.79	Sept.78
Electric power Utilities	41,908	48,453	42,560
Bunker, foreign & lake vessel	1	1	1
Manufacturing & mining industries:			
Beehive coke plants	(a)	(a)	39
Oven coke plants	6,198	6,148	6,352
Steel & rolling mills	267	216	284
Other mfg. and mining industries including cement	4,439	4,481	4,164
Total, industrial	52,813	59,299	53,400
Retail deliveries	460	329	525
Total, all consumption	53,273	59,628	53,925
In short tons (000),	(a) Included in oven coke plants.		
User Stocks			
Electric power utilities	136,658	131,904	112,835
Manufacturing & mining industries:			
Oven coke plants	8,875	8,583	6,202
Steel & rolling mills	452	413	283
Other mfg. and mining industries including cement	7,145	6,741	5,922
Total, industrial	153,130	147,641	125,342
Retail dealer stocks	432	412	362
Total, all stocks of coal	153,562	148,053	125,704
In short tons (000),			
Days' Supplies			
Electric power utilities	98	84	80
Manufacturing & mining industries:			
Oven coke plants	43	43	29
Steel and rolling mills	51	59	30
Other mfg. and mining industries including cement	48	47	43
Total, industrial	87	77	70
Retail dealer stocks	28	39	21
Total, all coal users	86	77	70
In days,			

Source: U.S. Dept. of Energy, Energy Information Admin.: Weekly Coal Report

USERS' OUTPUT	Jan.12'80	Jan.5'80	Jan.13'79
Major direct users:			
Elec. Util. (Mil.Kw)	46,196	42,577	48,582
Steel (short tons-000)			
Dec. 29	2,379	2,276	4,005
Cement, Portland, U.S. shipments			
Oct. '79	8,580,759	7,505,879	8,605,853
Other significant output:			
Aluminum, order receipts (Mil. lbs.)			
5-week moving aver. (week Dec. 28)	282	275	285
Annual rate Dec. 28	14,664	14,300	14,820
Motor vehicle production, Total			
(week Jan. 12)	144,233	115,352	262,048
Machine tools Nov. 79			
Net new orders	435,750	565,050	441,050
Shipments	348,550	380,050	274,400

Utilities—week ended Nov. 3; Steel—week ended Nov. 3; Cement—month ended Aug. 79; Machine Tools—month ended Sept. '79.
Sources: Edison Electric Institute, American Iron & Steel Institute. U.S. Dept of Interior, Bureau of Mines, Div. Nonmetallic Minerals, Aluminum Association, Motor Vehicle Manufacturers Assoc., National Machine Tool Builders Assoc.

PRICE INDEXES	Dec.1979	Nov.1979	Dec.1978
Anthracite	457.6	455.4	442.7
Chestnut, Pa. mine	423.7	418.6	408.2
Buckwheat No. 1, Pa. mine	381.1	372.6	384.6
Bituminous coal	480.4	479.6	468.2
Domestic sizes	457.9	455.6	442.8
Retail dealers	577.6	581.4	573.1
Industrial sizes, spot	273.3	275.0	271.1
Steam electric util.	394.5	394.4	401.6
Manufacturing	119.4	118.7	122.9
Metallurgical, high volatile	249.4	250.2	253.7
Metallurgical, low & medium volatile	706.2	706.2	715.9
Industrial sizes, contract	703.6	706.6	709.9
Steam Electric Utility	129.5	128.6	123.3
Manufacturing	150.6	148.9	138.2
Metallurgical, high volatile	116.8	116.8	115.1
Coke (Foundry by-product)	104.4	104.4	105.2
Birmingham, Ala.	431.2	431.2	418.8
Milwaukee, Wis.	439.6	439.6	419.0
Detroit, Mich.	420.4	420.4	405.9
Indianapolis, Ind.	427.4	427.4	415.8
St. Louis, Missouri	437.7	437.7	424.2
Philadelphia, Penna.	286.8	286.8	277.8
	285.8	285.8	276.8

Prices for month of Aug. '79 for Anthracite & Bituminous Coal.
Index Bases: For Retail Dealers—Dec. '75=100; For Industrial Sizes—Spot; All Metallurgical & Coke (foundry by-product)—1967=100; Steam Elec. Util.—Dec. '73=100.
Source: U.S. Dept. of Labor: Producer Prices and Price Indexes.

Abbreviations

DOE — Dept. of Energy
EIA — Energy Information Admin.
AAR — Assn. of American Railroads
EEI — Edison Electric Institute
MVMA — Motor Vehicle Mfrs. Assn.
COE — Corps of Engineers
Bit. — Bituminous
Lig. — Lignite
Ant. — Anthracite

U.S. ELECTRIC UTILITY PLANTS
Fuel Prices in Cents per Million British Thermal Units
Steam-Electric Plants, Monthly Purchases - Average

	Fuel	June 1979	May 1979	June 1978	Change 6/78 to 6/79
U.S. TOTAL	Coal	121.8	123.4	112.0	+ 8.8%
	Oil	300.0	277.7	212.7	+41.0%
	Gas	179.3	177.2	149.3	+20.1%
NEW ENGLAND	Coal	155.2	152.7	155.3	— 0.1%
	Oil	293.6	272.7	192.5	+52.5%
	Gas	263.1	250.1	185.8	+41.6%
MIDDLE ATLANTIC	Coal	122.8	120.4	125.0	— 1.8%
	Oil	306.1	279.9	207.1	+47.8%
	Gas	204.7	192.5	171.5	+19.4%
EAST NORTH CENTRAL	Coal	130.6	131.4	117.6	+11.1%
	Oil	342.3	320.0	264.0	+29.7%
	Gas	232.5	247.1	200.1	+16.2%
WEST NORTH CENTRAL	Coal	106.9	100.6	91.6	+16.7%
	Oil	317.7	384.5	206.3	+54.0%
	Gas	146.1	147.1	118.8	+23.0%
SOUTH ATLANTIC	Coal	138.0	139.0	129.2	+ 6.8%
	Oil	312.8	270.7	199.1	+57.1%
	Gas	126.5	123.5	105.2	+20.2%
EAST SOUTH CENTRAL	Coal	131.8	132.7	118.3	+11.4%
	Oil	238.1	231.8	195.0	+22.1%
	Gas	185.9	195.0	150.9	+23.2%
WEST SOUTH CENTRAL	Coal	99.8	89.9	88.6	+45.5%
	Oil	249.8	242.8	196.7	+27.0%
	Gas	168.5	169.2	140.1	+20.3%
MOUNTAIN	Coal	69.3	97.8	50.3	+37.8%
	Oil	309.6	284.3	213.6	+44.9%
	Gas	199.3	193.0	153.7	+29.0
PACIFIC	Coal	84.6	83.0	78.8	+ 7.4%
	Oil	283.4	277.8	261.0	+ 8.6%
	Gas	238.7	225.8	213.4	+11.9%

Source: U.S. Dept. of Energy, Energy Information Administration, Asst. Administrator for Energy Data — Cost and Quality of Fuels for Electric Utility Plants — April 1979.

(IMPORTS)

IMPORTS	Latest	Previous	Yr. Ago	Latest	Previous	Yr. Ago	Latest	Prev.	Yr.Ago
Bituminous coal									
Australia	—	—	118,662	—	—	2,981,434	—	—	25.13
Canada	6,260	120	1,354	127,817	9,642	29,907	20.42	80.35	22.09
Poland	—	—	—	—	—	—	—	—	—
South Africa	26,300	177,245	52,968	526,000	3,795,596	1,047,181	20.00	21.41	19.77
Other nations	55	—	—	1,953	—	—	—	—	—
Total, Bitu. coal	32,615	177,365	172,984	655,770	3,805,238	4,058,522	20.11	21.45	23.46
Coke, suitable for fuel									
Asia, Africa, Oceania									
Japan	96,684	117,453	45,553	7,961,725	10,518,868	3,293,467	82.36	89.56	72.30
Other nations	5,511	—	—	663,850	—	—	120.46	—	—
Total, Asia etc	102,175	117,453	45,553	8,625,575	10,518,868	3,293,467	84.42	89.56	72.30
Europe									
Belgium	18,165	17,074	—	1,685,018	1,583,821	—	92.76	92.76	—
France	15,859	16,784	17,175	1,505,896	1,593,710	1,441,183	94.96	94.95	83.91
Germany, F.R. (West)	123,293	265,556	317,914	11,184,210	23,422,318	26,933,163	90.71	88.20	84.72
Italy	—	15,736	8,390	—	1,244,394	635,519	—	79.08	75.75
Netherlands	—	—	191,038	—	—	2,733,272	—	—	14.31
Norway	20	—	—	1,478	—	—	73.90	—	—
United Kingdom	26,163	9,506	16,798	2,511,176	807,110	1,037,209	95.98	84.91	61.75
Other nations	—	—	—	—	—	—	—	—	—
Total, Europe	183,500	324,656	551,315	16,887,778	28,651,353	32,780,346	92.03	88.25	59.46
Western Hemisphere									
Argentina	—	22,233	—	—	388,273	—	—	17.46	—
Canada	14,278	16,664	14,363	934,607	1,355,394	773,123	65.46	81.34	53.83
Mexico	—	—	—	—	—	—	—	—	—
Other nations	—	—	—	—	—	—	—	—	—
Total, West Hmsph	14,278	38,897	14,363	934,607	1,743,667	773,123	65.46	44.83	53.83
Total, all nations	299,953	481,006	611,231	26,447,980	40,913,888	36,846,936	88.17	85.06	60.28
Compositions for fuel									
Australia	—	—	—	—	—	—	—	—	—
Canada	1,033	83	1,564	31,174	22,319	39,744	30.18	268.90	25.41
Germany, F.R. (West)	—	—	—	—	—	—	—	—	—
Mexico	—	23	9	—	3,105	480	—	135.00	53.33
United Kingdom	—	—	—	—	—	—	—	—	—
Other nations	—	—	—	—	—	—	—	—	—
Total, Compstns	1,033	106	1,573	31,174	25,424	40,224	30.18	239.65	25.57
Coal, other, and lignite									
Australia	57,668	—	58,033	2,025,029	—	1,648,391	35.12	—	28.40
Canada	3,696	2,221	7,047	101,482	64,806	164,975	27.46	29.18	23.41
France	—	—	—	—	—	—	—	—	—
Germany, F.R. (West)	—	—	20	—	—	1,762	—	—	88.10
Poland	57,709	—	582,900	1,875,533	—	3,854,100	32.50	—	6.61
Other nations	—	—	—	—	—	—	—	—	—
Total, Coal, other	119,073	2,221	648,000	4,002,044	64,806	5,669,228	33.61	29.18	8.75

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EXPORT MARKET SPECIAL REPORT

Coal Industry News

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Export Outlook:

Tough Market Is Consensus Of Executives

By GENE SMITH
NEW YORK

"I see some strengthening in the European steam (coal) market. We're getting inquiries from virtually every country in Western Europe."

"I don't know whether or not to believe the Coal Exporters As-

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sociation forecast of a three-million ton boost in 1980 exports."

"We see a tough market for U.S. coal in Japan. Last year we bought 12- or 12.5-million tons. This year it should be about the same."

Those three views sum up the attitudes that prevail among the peo-

(Continued on Page 8)

Western Mines Output to Top Those in East

By T.W. KIENLEN
PORTLAND, ORE.

With coal production in 1980 forecast at a record 776-million tons, western mines are expected to outproduce those in the East. This is due

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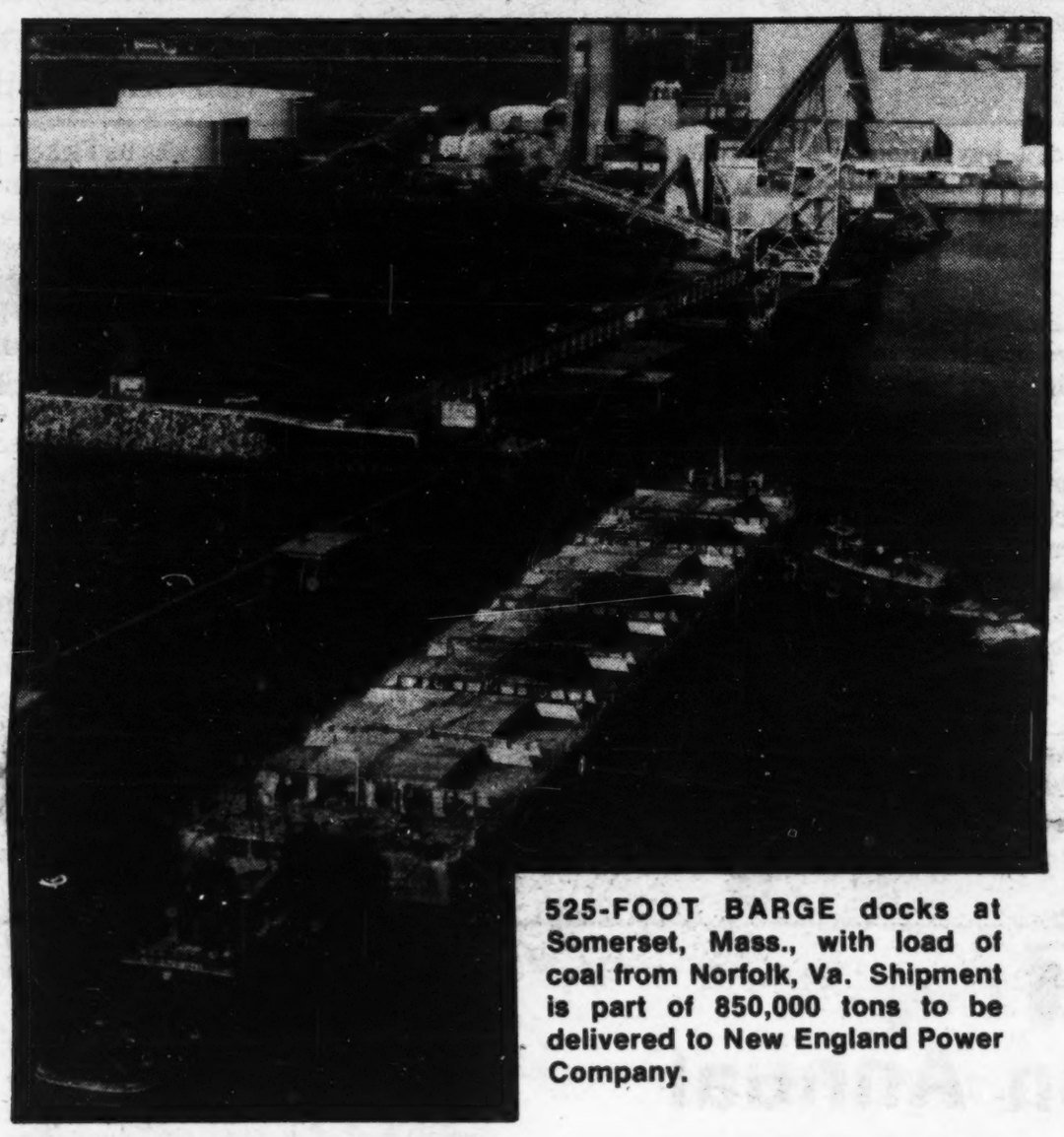
in part, at least, to new western mine openings, such as the Spring Creek Mine in Montana, a property of Northern Energy Resources Co. (NERCO).

NERCO, which is opening its new

(Continued on Page 8)

Bituminous Exports Slump to 20-Year Low as Experts See Drop Continuing



525-FOOT BARGE docks at Somerset, Mass., with load of coal from Norfolk, Va. Shipment is part of 850,000 tons to be delivered to New England Power Company.

By MIKE MYER
WASHINGTON

The current slump in bituminous coal exports, plummeting exports to their lowest level in nearly 20 years, has several parallels since World War I but nevertheless promises the need for a lengthy recovery period.

Exports traditionally have been cyclical, increasing heavily then fall-

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ing quickly several times during this century, with "slump" periods of several years followed by sudden pickups in export demand.

Large-scale pickups in exports have occurred several times but lasted only a year or two, then dropped off sharply to levels near those before the booms.

Export level trends have steadily increased during the past 45 years, however, consuming larger and larger percentages of total United States production.

But the current slump, blamed largely on softness in the international steel market, has sent exports to their lowest levels since the early 1960s.

The latest major boom occurred in 1970, when bituminous coal exports were at 70,944,000 tons (figures rounded off to nearest 1,000 tons), up suddenly from the 56,234,000 tons of the previous year.

Exports had been steadily increasing since a drop-off in 1959 to 37,253,000 tons, which occurred after the country's biggest export boom from 1955-58. During that boom, the United States had its biggest export year, at 76,446,000 tons, in 1957.

Shipments steadily increased from 1959, reaching the 50,637,000-ton level in 1968. Then, exports suddenly shot

(Continued on Page 20)

Coal Saves NEPCO Customers $3-Million Monthly in Bills

By ROBERT B. BEDINGFIELD
SOMERSET, MASS.

The New England Power Company, which late last year was granted permission by the Environmental Protection Agency to burn coal permanently at its big Brayton Point power station here, has exhausted a 125,000-ton coal reserve, which was imported coal left over from a 1975 emergency coal burn that followed the Arab oil embargo of 1974-'75, and has begun burning coal produced from mines in West Virginia, Virginia and Pennsylvania.

The first of 30 shipments of domestic coal totaling 850,000 tons, was delivered

(Continued on Page 5)

INSIDE THIS ISSUE. . .

SHELL OIL COMPANY REACHES "TENTATIVE AGREEMENT" on multi-million dollar contract to lease coal land from Crow Indians. (Page 2)

NEWLY-FORMED MINERAL RESOURCES LAW FOUNDATION will hold its first institute at University of Pittsburgh's Law School on March 6-7. (Page 5)

CINews' COLUMNIST JOHN CORCORN reflects on coal transportation costs, wonders if rail deregulation is a good idea for the coal industry. (Page 19)

AN IN-DEPTH SURVEY EXAMINES THE STATUS of the export market for coal to West Germany. (Page 12)

EXPORTS

Nov. 1979	Physical Value Latest	Previous	Year Ago	Dollar Value Latest	Previous	Year Ago	Prices—Avg. Value per Short Ton Latest	Previous	Year Ago
Asia, Africa, Oceania									
Algeria	—	—	—	—	—	—	—	—	—
China, P. (Mainland)	—	—	26,519	—	—	1,646,100	—	—	62.07
China, T. (Taiwan)	—	116,895	29,943	—	6,237,257	1,904,263	—	53.36	63.60
Egypt	—	70,316	27,600	—	3,320,024	1,309,620	—	47.22	47.45
Japan	937,753	1,689,940	1,360,566	55,501,750	100,131,608	79,386,081	59.19	59.25	58.35
Korea, Rep. (South)	184,845	11,276	55,432	10,028,944	542,148	2,603,438	54.26	48.08	46.97
Turkey	141,342	106,179	62,452	6,618,836	5,301,691	3,129,100	46.83	49.93	50.10
Other nations	—	7	—	—	1,629	—	—	232.71	—
Total, Asia, etc.	1,263,940	1,994,613	1,562,512	72,149,530	115,534,357	89,978,602	57.08	57.92	57.59
Europe									
Albania	48,300	—	21,118	2,346,468	—	1,574,940	48.58	—	74.58
Belgium	493,873	558,192	198,178	24,347,042	25,233,327	9,484,673	49.30	45.21	47.86
Denmark	—	38,065	—	—	1,628,302	—	—	42.78	—
France	365,831	429,816	222,950	19,907,347	22,943,844	12,823,282	54.42	53.38	57.52
Germany, F.R. (West)	356,802	221,511	53,307	16,707,704	11,549,936	2,884,317	46.83	52.14	54.11
Ireland	57,012	32,267	—	3,197,249	1,651,034	—	56.08	51.17	—
Italy	266,460	417,099	605,664	14,077,853	21,214,038	31,289,092	52.83	50.86	51.66
Netherlands	111,669	250,464	227,116	5,767,632	12,769,816	11,767,106	51.65	50.98	51.81
Norway	83,525	5,622	31,577	3,996,613	275,374	1,422,710	47.85	49.00	46.64
Portugal	6,063	44,894	—	439,542	2,505,374	—	72.50	55.81	—
Romania	49,488	—	67,823	2,446,770	—	3,168,347	49.44	—	46.71
Spain	88,589	28,666	212,386	4,438,366	1,546,057	10,906,963	50.10	53.93	51.35
Sweden	100,499	136,312	—	5,577,407	7,180,695	—	55.50	52.68	—
United Kingdom	257,178	218,327	112,218	11,931,312	10,353,713	6,208,778	46.39	47.42	55.33
Yugoslavia	43,428	126,058	50,503	1,982,021	6,039,033	2,733,523	45.64	47.16	54.13
Other nations	—	—	—	—	—	—	—	—	—
Total, Europe	2,328,717	2,509,293	1,802,840	117,163,326	124,890,637	94,313,731	50.31	49.77	52.31
Western Hemisphere									
Argentina	51,133	85,051	119,958	2,439,032	4,280,262	5,808,045	47.70	50.33	48.42
Barbados	—	—	—	—	—	—	—	—	—
Brazil	239,207	263,683	170,782	13,251,147	15,126,811	9,552,599	55.40	57.37	55.93
Canada	581,253	757,586	991,348	33,644,194	43,129,150	56,201,816	57.88	56.93	56.69
Chile	—	—	47,562	—	—	2,615,930	—	—	55.00
Honduras	—	—	21	—	—	4,990	—	—	237.62
Leewd&Windwd Is.	—	—	65	—	—	15,906	—	—	244.71
Mexico	58,455	93,557	19,930	2,883,700	4,544,299	935,811	49.33	48.57	46.95
Peru	—	—	28,288	—	—	855,458	—	—	30.24
Other nations	—	22	—	—	2,908	—	—	132.18	—
Total, West. Hemis	930,048	1,199,899	1,377,954	52,218,073	67,083,430	75,990,555	56.15	55.91	55.15
Total, all nations	4,522,705	5,703,805	4,743,306	241,530,929	307,508,424	260,282,888	53.40	53.91	54.87
Bituminous coal, other									
Asia, Africa, Oceania									
Egypt	—	43,150	—	—	1,937,596	—	—	44.90	—
Ethiopia	—	—	57	—	—	2,280	—	—	40.00
Japan	—	80,428	—	—	3,973,307	—	—	49.40	—
South Africa	—	116	—	—	5,600	—	—	48.28	—
Other nations	—	—	—	—	—	—	—	—	—
Total	—	123,694	57	—	5,916,503	2,280	—	47.83	40.00
Europe									
Belgium	12,315	18,267	—	354,621	2,072,402	—	28.80	30.36	—
Netherlands	55,084	—	—	2,148,802	—	—	39.01	—	—
France	62,476	—	26	1,946,792	—	1,320	31.16	—	50.76
Germany, F.R. (West)	66,972	168,411	—	3,007,430	8,014,767	—	44.91	47.59	—
Ireland	25,587	44,453	—	1,240,011	2,173,021	—	48.46	48.88	—
United Kingdom	—	21,351	—	—	1,056,845	—	—	49.50	—
Other nations	—	—	—	—	—	—	—	—	—
Total, Europe	222,434	302,482	26	8,697,656	13,317,035	1,320	39.10	44.03	50.76
Western Hemisphere									
Canada	1,251,042	1,153,855	1,184,155	48,914,000	44,755,680	44,377,845	39.10	38.79	37.48
Chile	17,836	—	—	498,346	—	—	27.94	—	—
Peru	—	27,483	—	—	831,113	—	—	30.24	—
Mexico	3,083	3,439	2,378	146,772	187,623	104,695	47.61	54.56	44.03
Other nations	—	304	—	—	13,162	—	—	43.30	—
Total, West Hemis	1,271,961	1,185,081	1,186,533	49,559,118	45,787,578	44,482,540	38.96	38.64	37.49
Total, all nations	1,494,395	1,611,257	1,186,616	58,256,774	65,021,116	44,486,140	38.98	40.35	37.49
Lignite									
Asia, Africa, Oceania									
Algeria	—	—	—	—	—	—	—	—	—
Australia	5	—	—	1,897	—	—	379.40	—	—
Libya	20	—	—	10,632	—	—	531.60	—	—
Congo Brazziville	—	—	—	—	—	—	—	—	—
Egypt	—	—	—	—	—	—	—	—	—
Israel	45	—	—	2,558	—	—	56.84	—	—
Japan	—	219	19	—	24,244	2,117	—	110.70	111.42
New Zealand	—	12	—	—	5,562	—	—	463.50	—
Nigeria	—	210	—	—	128,000	—	—	609.52	—
Singapore	—	70	—	—	7,798	—	—	111.40	—
Other nations	—	—	—	—	—	—	—	—	—
Total, Asia etc	70	511	19	15,087	165,604	2,117	215.53	324.08	111.42
Europe									
Denmark	—	—	15	—	—	4,908	—	—	327.20
France	—	—	—	—	—	—	—	—	—
Germany, F.R.	—	—	—	—	—	—	—	—	—
Italy	—	—	44	—	—	24,939	—	—	566.80
Norway	—	—	24	—	—	14,170	—	—	590.42
United Kingdom	—	13	—	—	7,645	—	—	588.08	—
Other nations	5	—	—	2,658	—	—	531.60	—	—
Total, Europe	5	13	83	2,658	7,645	44,017	531.60	588.08	530.33
Western Hemisphere									
Argentina	—	—	141	—	—	59,454	—	—	421.66
Brazil	—	25	11	—	18,110	7,700	—	724.40	700.00
Canada	1,060	225	132	73,016	32,249	7,541	68.88	143.33	57.13
Colombia	12	7	42	10,060	3,026	11,779	838.33	432.29	280.45
Mexico	1,593	385	220	108,254	23,681	10,228	67.96	61.51	46.49
Nicaragua	—	—	—	—	—	—	—	—	—
Trinidad	—	15	15	—	8,400	540	—	560.00	396.00
Venezuela	—	150	249	—	18,709	31,650	—	124.73	127.11
Other nations	—	12	—	191,330	109,888	134,292	71.79	134.17	165.79
Total, all nations	2,740	1,343	912	209,075	283,137	180,426	76.30	210.82	197.84
Coal coke, for use as fuel									
Asia, Africa, Oceania									
Other nations	—	—	—	—	1,000	—	—	—	—
Total, Asia etc	—	—	—	—	1,000	—	—	—	—
Europe									
Belgium	24,762	—	—	937,888	—	—	37.88	—	—
Germany, F.R. (West)	—	16,310	—	—	1,223,250	—	—	75.00	—
Netherlands	16,000	12,333	26,617	624,000	308,327	977,945	39.00	25.00	36.74
Spain	31,332	—	—	1,347,276	—	—	43.00	—	—
Total, Europe	72,094	28,643	26,617	2,909,164	1,531,577	977,945	40.35	53.47	36.74

	Physical Value			Dollar Value			Prices—Avg. Value per Short Ton		
Western Hemisphere									
Canada	94,320	109,289	46,733	5,152,121	5,236,240	3,950,011	54.62	47.91	84.52
Dom. Republic	21	45	—	6,000	8,325	—	285.71	185.00	—
Guatemala	591	496	168	102,664	73,626	23,834	173.71	148.44	141.87
Jamaica	35	—	—	12,928	—	—	369.37	—	—
Mexico	6,358	6,611	8,469	832,237	827,055	1,132,185	130.90	125.10	133.69
Panama	—	—	23	—	—	4,013	—	—	174.48
Venezuela	—	15,480	—	—	1,161,050	—	—	75.00	—
Other nations	5	—	—	1,246	—	—	249.20	—	—
Total West Hemis	101,330	131,921	55,393	6,107,196	7,306,296	5,110,043	60.27	55.38	92.25
Total, all nations	173,424	160,564	82,010	9,016,360	8,838,873	6,087,988	51.99	55.05	74.23
Petroleum coke, except calcined									
Asia, Africa, Oceania									
Australia	—	—	354	—	—	18,014	—	—	50.89
China, T. (Taiwan)	—	5,671	—	—	226,286	—	—	39.90	—
Japan	246,878	44,762	135,731	7,584,081	1,536,220	3,896,023	30.72	34.32	28.70
Korea, Rep. (South)	—	34,737	1,500	—	1,383,585	34,020	—	39.83	22.68
South Africa	—	—	—	—	—	—	—	—	—
Other nations	—	—	—	—	—	—	—	—	—
Total, Asia etc	246,878	85,170	137,585	7,584,081	3,146,091	3,948,057	30.72	36.94	28.70
Europe									
Belgium	114,761	99,954	51,632	2,914,027	2,411,596	1,639,394	25.39	24.13	31.75
France	34,850	118,094	—	1,106,516	3,862,979	—	31.75	32.71	—
Germany, F.R. (West)	31,724	27,016	—	833,178	675,406	—	26.26	25.00	—
Italy	32,491	—	35,724	1,110,207	—	900,864	34.17	—	25.22
Netherlands	73,584	185,252	70,264	2,336,330	5,124,711	2,056,172	31.75	27.66	29.26
Spain	—	59,086	—	—	1,554,562	—	—	26.31	—
Other nations	—	—	—	—	—	—	—	—	—
Total, Europe	287,410	489,402	157,620	8,300,258	13,629,254	4,596,430	28.88	25.85	29.16
Western Hemisphere									
Brazil	—	—	—	—	—	—	—	—	—
Canada	127,428	119,754	99,769	3,362,447	3,238,252	2,570,496	26.39	27.04	25.76
Mexico	1,089	7,975	3,974	152,991	426,868	172,788	140.49	53.53	43.48
Venezuela	22	—	—	2,464	—	—	112.00	—	—
Other nations	—	—	—	—	—	—	—	—	—
Total, West Hemis	128,539	127,729	103,743	3,517,902	3,665,120	2,743,284	27.37	28.69	26.44
Total, all nations	662,827	702,301	398,948	19,402,241	20,440,465	11,287,771	29.27	29.10	28.29
Compositions used for fuel									
Western Hemisphere									
Bahamas	—	5	7	—	1,200	1,840	—	240.00	262.86
Bermuda	—	—	—	—	—	—	—	—	—
Canada	355	536	2,565	48,799	77,163	336,205	137.46	143.96	131.07
Mexico	275	66	67	56,359	8,868	17,724	204.94	134.36	264.54
Netherlands Ant	—	—	14	—	—	3,555	—	—	253.93
Other nations	—	6	—	—	1,060	—	—	176.67	—
Total, West Hemis	630	613	2,653	105,158	88,291	359,324	166.92	144.03	135.44
Other regions	—	—	—	—	—	—	—	—	—
Total, all nations	630	613	2,653	105,158	88,291	359,324	166.92	144.03	135.44
Anthracite									
Asia, Africa, Oceania									
Australia	27	318	—	6,014	87,836	—	222.74	276.21	—
Japan	3,743	—	4,314	258,533	—	336,565	69.07	—	78.02
Korea, Rep. (South)	26,885	56,704	83,252	779,261	1,714,003	3,163,667	28.98	30.23	38.00
Philippine Rep	62	100	—	3,400	12,000	—	54.84	120.00	—
Other nations	—	—	—	—	—	—	—	—	—
Total, Asia etc	30,717	57,122	87,565	1,047,208	1,813,839	3,500,232	34.09	31.75	39.97
Europe									
France	15,899	36,805	20	1,168,305	1,728,621	1,900	73.48	50.93	95.00
Germany, F.R. (West)	—	—	55	—	—	5,600	—	—	101.82
Italy	71	—	—	3,905	—	—	55.00	—	—
Netherlands	25,055	—	—	1,449,800	—	—	57.86	—	—
Sweden	—	—	20	—	—	1,921	—	—	96.05
United Kingdom	10,115	24,206	18	646,771	1,583,551	1,740	63.94	65.42	96.67
Other nations	—	25	—	—	2,127	—	—	85.08	—
Total, Europe	51,140	61,036	113	3,268,781	3,460,199	11,161	63.92	56.69	98.77
Western Hemisphere									
Canada	69,871	10,357	11,057	4,434,208	636,399	603,829	63.46	61.45	54.61
Colombia	—	—	22	—	—	3,121	—	—	141.86
Ecuador	39	—	26	7,065	—	1,412	181.15	—	54.31
Mexico	1,188	2,132	730	102,693	184,855	45,705	86.44	86.70	62.61
Venezuela	—	674	—	—	132,314	—	—	196.31	—
Other nations	—	20	—	—	2,199	—	—	109.95	—
Total, West Hemis	71,098	13,183	11,835	4,543,966	955,767	654,067	63.91	72.50	55.27
Total, all nations	152,955	131,341	99,514	8,859,955	6,229,805	4,165,460	57.93	47.43	41.86

COAL IMPORTS

	Nov. 1979	Oct. 1979	Nov. 1978	Nov. 1979	Oct. 1979	Nov. 1978	Nov. 1979	Oct. 1979	Nov. 1978
Bituminous Coal									
Australia	—	—	—	—	—	—	—	—	—
Canada	1,236	6,260	3,326	28,840	127,817	57,365	23.33	20.42	17.25
Poland	31,305	—	—	973,595	—	—	—	—	—
South Africa	58,034	26,300	57,921	1,168,800	526,000	1,145,094	20.14	20.00	19.77
Other nations	—	55	—	—	1,953	—	—	—	—
Total, Bitu Coal	90,625	32,615	61,247	2,171,235	655,770	1,202,459	23.96	20.11	19.63
Coke suitable for fuel									
Asia, Africa, Oceania									
Japan	83,018	96,664	44,808	6,562,376	7,961,725	3,402,738	79.05	82.36	75.94
Other nations	—	5,511	—	—	663,850	—	—	120.46	—
Total, Asia etc	83,018	102,175	44,808	6,562,376	8,625,575	3,402,738	79.05	84.42	75.94
Europe									
Belgium	—	18,165	19,931	—	1,685,018	3,132,182	—	92.76	157.15
France	—	15,859	—	—	1,505,896	—	—	94.96	—
Germany F.R. (West)	76,403	123,293	388,147	7,393,737	11,184,210	31,819,836	96.77	90.71	81.98
Italy	—	—	36,771	—	—	3,135,502	—	—	85.27
Norway	—	20	—	—	1,478	—	—	73.90	—
United Kingdom	—	26,163	17,116	—	2,511,176	1,098,175	—	95.98	64.16
Other nations	—	—	—	—	—	—	—	—	—
Total, Europe	76,403	183,500	461,965	7,393,737	16,887,778	39,185,695	96.77	92.03	84.82
Western Hemisphere									
Argentina	—	—	48,115	—	—	1,360,658	—	—	28.28
Canada	10,324	14,278	11,477	786,956	934,607	794,406	76.23	65.46	69.22
Other nations	—	—	—	—	—	—	—	—	—
Total, West Hemis	10,324	14,278	59,592	786,956	934,607	2,155,064	76.23	65.46	36.16
Total, all nations	169,745	299,953	566,365	14,743,069	26,447,960	44,743,497	86.85	88.17	79.00
Compositions for fuel									
Canada	1,240	1,033	2,107	37,595	31,174	58,730	30.32	30.18	27.87
Japan	—	—	—	—	—	824	—	—	—
Mexico	—	—	13	—	—	1,000	—	—	76.92
Other nations	—	—	—	—	—	—	—	—	—
Total, Comp.	1,240	1,033	2,120	37,595	31,174	60,554	30.32	30.18	28.56

DOMESTIC

PRODUCTION	Latest	Previous	Yr.Ago
Jan 26'80			
Bituminous	15,185	14,965	12,529
Anthracite	115	110	78
RRcarloadings, Bitum	103,796	102,344	75,819
RRcarloadings, Anthra	498	480	304

Production in tons (000).
Carloadings in R.R. cars.
Source: U.S. Dept. of Energy, Coal Statistics Div.

By States (Bituminous and Lignite)

Eastern Jan. 19'80	Latest	Previous	Yr.Ago
Alabama	559	485	380
Georgia	10	15	8
Illinois	1,336	1,225	1,138
Indiana	491	531	467
Kentucky			
Eastern	1,751	1,754	1,530
Western	737	763	697
Total Ky.	2,488	2,517	2,227
Maryland	67	45	47
Ohio	724	877	720
Pennsylvania	1,806	1,830	1,540
Tennessee	189	257	210
Virginia	803	797	678
West Virginia	1,960	2,441	2,144
Total Eastern	10,433	11,000	9,559
Western			
Alaska	15	15	14
Arizona	239	242	192
Arkansas	10	9	6
Colorado	428	333	287
Iowa	11	15	14
Kansas	11	11	14
Missouri	109	76	66
Montana	1,051	628	286
New Mexico	301	272	235
North Dakota	327	302	286
Oklahoma	105	91	80
Texas	340	450	481
Utah	286	257	200
Washington	95	121	90
Wyoming	1,206	1,270	1,084
Total Western	4,534	4,092	3,335
Total United States	14,967	15,092	12,894

Source: Dept. of Energy, Energy Information Admin.: Weekly Coal Report

Work force Dec.'79	Latest	Previous	Yr.Ago
All employees	259.4	260.4	255.6
Coal mining	256.4	257.3	252.8
Bit. & lignite			
Production employees	218.2	216.9	215.2
Coal mining	213.5	214.2	212.5
Bit. & lignite			
Workers in (000), preliminary			
Weekly Ave—Hrs.	41.7	41.3	41.1
Coal mining	41.7	41.3	41.1
Bituminous & lignite			

Earnings, hourly avg in $			
Coal mining	10.31	10.39	9.76
Bituminous & lignits	10.33	10.42	9.78
Earnings, weekly avg.			
Coal mining	429.93	429.11	401.14
Bituminous & lignite	430.76	430.35	401.96

Source: Dept. of Labor, Bureau of Labor Statistics - Employment and Earnings

TRANSPORTATION: RAILROAD

	Week ended Jan. 5		
Eastern district	Jan.5'80	Dec.29'79	Jan.6'79
Bessemer and Lake Erie	739	590	673
Baltimore and Ohio	3,198	2,799	3,735
Chesapeake and Ohio	9,526	7,515	8,318
Consolidated Rail Corp.	6,994	5,051	6,434
Illinois Terminal	—	—	—
Norfolk and Western	14,441	8,725	12,555
Pittsburgh & Lake Erie	265	236	282
Western Maryland	1,252	772	620
Other, eastern district	2	9	10
Total, eastern district	36,417	25,697	32,627
Southern district			
Clinchfield Railroad	1,426	1,327	1,080
Illinois Central Gulf	3,029	2,117	2,515
Louisville & Nashville	10,144	9,732	11,583
Southern Railway	5,046	5,353	4,495
Other, southern district	—	—	—
Total, southern dist.	19,645	18,529	19,673
Western district			
Atchison, Topeka & Santa Fe	802	564	690
Burlington Northern	19,641	18,106	8,446
Chicago & North Western	442	386	357
Denver & Rio Grande Wstrn	2,934	2,383	2,479
Kansas City Southern	82	99	54
Chicago, Milwaukee, St. Paul & Pac.	1,060	993	1,070
Missouri-Kansas-Texas	29	46	143
Missouri Pacific	2,872	2,531	1,464
Chicago, Rock Is. & Pacific	112	106	87
St. Louis-San Francisco	678	473	510
Soo Line	118	170	96
Union Pacific	2,973	3,704	1,979
Other, western district	2	—	76
Total Western district	31,745	29,563	17,451
Total, all districts	87,807	73,789	69,751

Railroad revenue freight loaded,
Source: Assoc. of Amer. Railroads, Car Service Division - Statement CS-54A.

	Week ended Feb. 2		
Inland Rivers	Latest	Previous	Yr.Ago
Monongahela River, Lock 3	381,126	276,972	417,536
Allegheny River, Lock 2	25,800	50,400	36,300

In short tons through locks.
Source: U.S. Army, Corps of Engineers, Pittsburgh District

CONSUMPTION	Sept.79	Aug.79	Sept.78
Electric power Utilities	41,906	48,453	42,500
Bunker, foreign & lake vessel	1	1	1
Manufacturing & mining industries:			
Beehive coke plants	(a)	(a)	39
Oven coke plants	6,196	6,148	6,352
Steel & rolling mills	267	216	284
Other mfg. and mining industries including cement	4,439	4,481	4,164
Total, industrial	52,813	59,299	53,400
Retail deliveries	460	329	525
Total, all consumption	53,273	59,628	53,925

In short tons (000), (a) Included in oven coke plants.

User Stocks			
Electric power utilities	136,658	131,904	112,935
Manufacturing & mining industries:			
Oven coke plants	8,875	8,583	6,202
Steel & rolling mills	452	413	283
Other mfg. and mining industries including cement	7,145	6,741	5,922
Total, industrial	153,130	147,641	125,342
Retail dealer stocks	432	412	362
Total, all stocks of coal	153,562	148,053	125,704

In short tons (000),

Days' Supplies			
Electric power utilities	98	84	80
Manufacturing & mining industries:			
Oven coke plants	43	43	29
Steel and rolling mills	51	59	30
Other mfg. and mining industries including cement	48	47	43
Total, industrial	87	77	70
Retail dealer stocks	28	39	21
Total, all coal users	86	77	70

In days,
Source: U.S. Dept. of Energy, Energy Information Admin.: Weekly Coal Report

USERS' OUTPUT			
Major direct users:	Latest	Previous	Yr.Ago.
Elec.Util.(Mil.Kw) Jan.26	45,021	43,653	46,741
Steel (short tons-000) Jan.26	2,395	2,363	2,558
Cement, Portland, U.S. shipments Nov.'79	7,037,000	9,188,000	6,980,000
Other significant output:			
Aluminum, order receipts (Mil. lbs.)			
5-week moving aver. (week Dec. 28)	282	275	285
Annual rate Dec. 28	14,664	14,300	14,820
Motor vehicle production, Total (week Jan. 12)	144,233	115,352	262,048
Machine tools Nov. 79			
Net new orders	435,750	565,050	441,050
Shipments	348,550	380,050	274,400

Cement—month ended Aug. 79; Machine Tools—month ended Sept. 79.
Sources: Edison Electric Institute, American Iron & Steel Institute. U.S. Dept of Interior, Bureau of Mines, Div. Nonmetallic Minerals, Aluminum Association, Motor Vehicle Manufacturers Assoc., National Machine Tool Builders Assoc.

Price Indexes Dec'79	Latest	Previous	Yr.Ago
Anthracite	457.8	455.4	442.7
Chestnut, Pa. mine	423.7	418.6	408.2
Buckwheat No. 1, Pa. mine	381.1	372.6	364.6
Bituminous coal	480.4	479.6	466.2
Domestic sizes	457.9	455.6	442.8
Retail dealers	577.6	581.4	573.1
Industrial sizes, spot	273.3	275.0	271.1
Steam electric util.	394.5	394.4	401.6
Manufacturing	119.4	118.7	122.9
Metallurgical, high volatile	249.4	250.2	253.7
Metallurgical, low & medium volatile	706.2	706.2	715.9
Industrial sizes, contract	703.6	706.6	709.9
Steam Electric Utility	129.5	128.6	123.3
Manufacturing	150.6	148.9	138.2
Metallurgical, high volatile	116.8	116.8	115.1
Coke (Foundry by-product)	104.4	104.4	105.2
Birmingham, Ala.	431.2	431.2	416.8
Milwaukee, Wis.	439.6	439.6	419.0
Detroit, Mich.	420.4	420.4	405.9
Indianapolis, Ind.	427.4	427.4	415.8
St. Louis, Missouri	437.7	437.7	424.2
Philadelphia, Penna.	286.8	286.8	277.8
	285.8	285.8	276.8

Prices for month of Aug. '79 for Anthracite & Bituminous Coal.
Index Bases: For Retail Dealers—Dec. '75=100; For Industrial Sizes—Spot; All Metallurgical & Coke (foundry by-product)—1967=100; Steam Elec. Util.—Dec. '73=100.
Source: U.S. Dept. of Labor: Producer Prices and Price Indexes.

Abbreviations

DOE — Dept. of Energy
EIA — Energy Information Admin.
AAR — Assn. of American Railroads
EEI — Edison Electric Institute
MVMA — Motor Vehicle Mfrs. Assn.
COE — Corps of Engineers
Bit. — Bituminous
Lig. — Lignite
Ant. — Anthracite

U.S. ELECTRIC UTILITY PLANTS
Fuel Prices in Cents per Million British Thermal Units
Steam-Electric Plants, Monthly Purchases - Average

U.S. TOTAL JUNE 1979	Fuel	Latest	Previous	Yr.Ago.	Change 6/78 to 6/79
	Coal	121.8	123.4	112.0	+ 8.8%
	Oil	300.0	277.7	212.7	+41.0%
	Gas	179.3	177.2	149.3	+20.1%
NEW ENGLAND	Coal	155.2	152.7	155.3	— 0.1%
	Oil	293.6	272.7	192.5	+52.5%
	Gas	263.1	250.1	185.8	+41.6%
MIDDLE ATLANTIC	Coal	122.8	120.4	125.0	— 1.8%
	Oil	306.1	279.9	207.1	+47.8%
	Gas	204.7	192.5	171.5	+19.4%
EAST NORTH CENTRAL	Coal	130.6	131.4	117.6	+11.1%
	Oil	342.3	320.0	264.0	+29.7%
	Gas	232.5	247.1	200.1	+16.2%
WEST NORTH CENTRAL	Coal	106.9	100.6	91.6	+16.7%
	Oil	317.7	384.5	206.3	+54.0%
	Gas	146.1	147.1	118.8	+23.0%
SOUTH ATLANTIC	Coal	138.0	139.0	129.2	+ 6.8%
	Oil	312.8	270.7	199.1	+57.1%
	Gas	126.5	123.5	105.2	+20.2%
EAST SOUTH CENTRAL	Coal	131.8	132.7	118.3	+11.4%
	Oil	238.1	231.8	195.0	+22.1%
	Gas	185.9	195.0	150.9	+23.2%
WEST SOUTH CENTRAL	Coal	99.8	89.9	68.6	+45.5%
	Oil	249.8	242.8	196.7	+27.0%
	Gas	168.5	169.2	140.1	+20.3%
MOUNTAIN	Coal	69.3	97.8	50.3	+37.8%
	Oil	309.6	284.3	213.6	+44.9%
	Gas	199.3	193.0	153.7	+29.0
PACIFIC	Coal	84.6	83.0	78.8	+ 7.4%
	Oil	283.4	277.8	261.0	+ 8.6%
	Gas	238.7	225.8	213.4	+11.9%

Source: U.S. Dept. of Energy, Energy Information Administration, Asst. Administrator for Energy Data — Cost and Quality of Fuels for Electric Utility Plants

(IMPORTS)

IMPORTS Nov. 1979	Latest	Previous	Yr. Ago	Latest	Previous	Yr. Ago	Latest	Prev.	Yr.Ago
Bituminous coal									
Australia	—	—	118,662	—	—	2,981,434	—	—	25.13
Canada	6,260	120	1,354	127,817	9,642	29,907	20.42	80.35	22.09
Poland	—	—	—	—	—	—	—	—	—
South Africa	26,300	177,245	52,968	526,000	3,795,596	1,047,181	20.00	21.41	19.77
Other nations	55	—	—	1,953	—	—	—	—	—
Total, Bitu. coal	32,615	177,365	172,984	655,770	3,805,238	4,058,522	20.11	21.45	23.46
Coke, suitable for fuel									
Asia, Africa, Oceania									
Japan	96,664	117,453	45,553	7,961,725	10,518,868	3,293,467	82.36	89.56	72.30
Other nations	5,511	—	—	663,850	—	—	120.46	—	—
Total, Asia etc	102,175	117,453	45,553	8,625,575	10,518,868	3,293,467	84.42	89.56	72.30
Europe									
Belgium	18,165	17,074	—	1,685,018	1,583,821	—	92.76	92.76	—
France	15,859	16,784	17,175	1,505,896	1,593,710	1,441,183	94.96	94.95	83.91
Germany, F.R. (West)	123,293	265,556	317,914	11,184,210	23,422,318	26,933,163	90.71	88.20	84.72
Italy	—	15,736	8,390	—	1,244,394	635,519	—	79.08	75.75
Netherlands	—	—	191,038	—	—	2,733,272	—	—	14.31
Norway	20	—	—	1,478	—	—	73.90	—	—
United Kingdom	26,163	9,506	16,798	2,511,176	807,110	1,037,209	95.98	84.91	61.75
Other nations	—	—	—	—	—	—	—	—	—
Total, Europe	183,500	324,656	551,315	16,887,778	28,651,353	32,780,346	92.03	88.25	59.46
Western Hemisphere									
Argentina	—	22,233	—	—	388,273	—	—	17.46	—
Canada	14,278	16,664	14,363	934,607	1,355,394	773,123	65.46	81.34	53.83
Mexico	—	—	—	—	—	—	—	—	—
Other nations	—	—	—	—	—	—	—	—	—
Total, West Hmsph	14,278	38,897	14,363	934,607	1,743,667	773,123	65.46	44.83	53.83
Total, all nations	299,953	481,006	611,231	26,447,960	40,913,888	36,846,936	88.17	85.06	60.28
Compositions for fuel									
Australia	—	—	—	—	—	—	—	—	—
Canada	1,033	83	1,564	31,174	22,319	39,744	30.18	268.90	25.41
Germany, F.R. (West)	—	—	—	—	—	—	—	—	—
Mexico	—	23	9	—	3,105	480	—	135.00	53.33
United Kingdom	—	—	—	—	—	—	—	—	—
Other nations	—	—	—	—	—	—	—	—	—
Total, Compstns	1,033	106	1,573	31,174	25,424	40,224	30.18	239.85	25.57
Coal, other, and lignite									
Australia	57,668	—	58,033	2,025,029	—	1,648,391	35.12	—	28.40
Canada	3,696	2,221	7,047	101,482	64,806	164,975	27.46	29.18	23.41
France	—	—	—	—	—	—	—	—	—
Germany, F.R. (West)	—	—	20	—	—	1,762	—	—	88.10
Poland	57,709	—	582,900	1,875,533	—	3,854,100	32.50	—	6.61
Other nations	—	—	—	—	—	—	—	—	—
Total, Coal, other	119,073	2,221	648,000	4,002,044	64,806	5,669,228	33.61	29.18	8.75

NOTE

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